10/551,612
Search
L4/Cook 7/8/07

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d his

     (FILE 'HOME' ENTERED AT 19:26:49 ON 08 JUL 2007)

     FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, JAPIO' ENTERED AT 19:27:06 ON 08
     JUL 2007
L1         53537 S (DENTAL CARIES)
L2           174 S L1 AND MALI?
L3             0 S L2 AND AAL?
L4             0 S L2 AND LTL?
L5             0 S L2 AND (UEA 1)
L6            35 S L2 AND ADULT?
L7            30 DUPLICATE REMOVE L6 (5 DUPLICATES REMOVED)
L8            22 S L7 AND PD<2005
L9             4 S L8 AND SALIV?
L10          207 S MAL AND LECTIN
L11            0 S L10 AND (DENTAL CARIES)
L12            7 S L10 AND SALIV?
L13            4 DUPLICATE REMOVE L12 (3 DUPLICATES REMOVED)
L14          978 S (IMMOBIL? LECTIN)
L15            5 S L14 AND STRIP?
L16            3 S L14 AND SALIV?
L17            0 S L15 AND L16
L18            2 DUPLICATE REMOVE L15 (3 DUPLICATES REMOVED)
L19          178 S SALIV? AND (TEST STRIP)
L20            3 S L19 AND LECTIN?
L21            3 DUPLICATE REMOVE L20 (0 DUPLICATES REMOVED)
L22            2 S L21 AND PD<2005
L23            2 S L19 AND (DENTAL CARIES)
L24            2 DUPLICATE REMOVE L23 (0 DUPLICATES REMOVED)

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d his

     (FILE 'HOME' ENTERED AT 19:26:49 ON 08 JUL 2007)

     FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, JAPIO' ENTERED AT 19:27:06 ON 08
     JUL 2007
L1         53537 S (DENTAL CARIES)
L2           174 S L1 AND MALI?
L3             0 S L2 AND AAL?
L4             0 S L2 AND LTL?
L5             0 S L2 AND (UEA 1)
L6            35 S L2 AND ADULT?
L7            30 DUPLICATE REMOVE L6 (5 DUPLICATES REMOVED)
L8            22 S L7 AND PD<2005
L9             4 S L8 AND SALIV?
L10          207 S MAL AND LECTIN
L11            0 S L10 AND (DENTAL CARIES)
L12            7 S L10 AND SALIV?
L13            4 DUPLICATE REMOVE L12 (3 DUPLICATES REMOVED)
L14          978 S (IMMOBIL? LECTIN)
L15            5 S L14 AND STRIP?
L16            3 S L14 AND SALIV?
L17            0 S L15 AND L16
L18            2 DUPLICATE REMOVE L15 (3 DUPLICATES REMOVED)
L19          178 S SALIV? AND (TEST STRIP)
L20            3 S L19 AND LECTIN?
L21            3 DUPLICATE REMOVE L20 (0 DUPLICATES REMOVED)
L22            2 S L21 AND PD<2005
L23            2 S L19 AND (DENTAL CARIES)
L24            2 DUPLICATE REMOVE L23 (0 DUPLICATES REMOVED)

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ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1984:117474 CAPLUS
DN 100:117474
ED Entered STN: 12 May 1984
TI Method and device for rapid diagnosis of dental caries
IN Shibuya, Mutsumi; Matsumoto, Kiyoyuki
PA Showa Pharmaceutical Chemical Industry Co., Ltd., Japan
SO Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DT Patent
LA English
IC C12Q001-04; G01N033-52
CC 9-1 (Biochemical Methods)
Section cross-reference(s): 10, 14
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 97904	A1	19840111	EP 1983-106016	19830620
	EP 97904	B1	19861015		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 58225029	A	19831227	JP 1982-106389	19820621
	JP 03046785	B	19910717		
	FI 8302234	A	19831222	FI 1983-2234	19830617
	US 4582795	A	19860415	US 1983-505316	19830617
	NO 8302220	A	19831222	NO 1983-2220	19830620
	AT 22926	T	19861115	AT 1983-106016	19830620
	DK 8302866	A	19831222	DK 1983-2866	19830621
	DK 166688	B1	19930628		
	JP 03272696	A	19911204	JP 1990-327109	19901128
	JP 05004077	B	19930119		
PRAI	JP 1982-106389	A	19820621		
	EP 1983-106016	A	19830620		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 97904	IC	C12Q001-04; G01N033-52
	IPCI	C12Q0001-04; G01N0033-52
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
JP 58225029	IPCI	A61K0049-00
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
FI 8302234	IPCI	C12Q
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
US 4582795	IPCI	C12Q0001-04 [ICM,4]; G01N0021-78 [ICS,4]; G01N0021-77 [ICS,4,C*]; G01N0033-52 [ICS,4]
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*];

ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1984:117474 CAPLUS
DN 100:117474
ED Entered STN: 12 May 1984
TI Method and device for rapid diagnosis of dental caries
IN Shibuya, Mutsumi; Matsumoto, Kiyoyuki
PA Showa Pharmaceutical Chemical Industry Co., Ltd., Japan
SO Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DT Patent
LA English
IC C12Q001-04; G01N033-52
CC 9-1 (Biochemical Methods)
Section cross-reference(s): 10, 14
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 97904	A1	19840111	EP 1983-106016	19830620
	EP 97904	B1	19861015		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 58225029	A	19831227	JP 1982-106389	19820621
	JP 03046785	B	19910717		
	FI 8302234	A	19831222	FI 1983-2234	19830617
	US 4582795	A	19860415	US 1983-505316	19830617
	NO 8302220	A	19831222	NO 1983-2220	19830620
	AT 22926	T	19861115	AT 1983-106016	19830620
	DK 8302866	A	19831222	DK 1983-2866	19830621
	DK 166688	B1	19930628		
	JP 03272696	A	19911204	JP 1990-327109	19901128
	JP 05004077	B	19930119		
PRAI	JP 1982-106389	A	19820621		
	EP 1983-106016	A	19830620		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 97904	IC	C12Q001-04; G01N033-52
	IPCI	C12Q0001-04; G01N0033-52
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
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	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
FI 8302234	IPCI	C12Q
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
US 4582795	IPCI	C12Q0001-04 [ICM,4]; G01N0021-78 [ICS,4]; G01N0021-77 [ICS,4,C*]; G01N0033-52 [ICS,4]
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	NCL	435/034.000; 422/056.000; 422/058.000; 422/061.000; 435/004.000; 435/029.000; 435/805.000; 436/165.000
NO 8302220	IPCI	C12Q
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
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JP 03272696	IPCI	C12Q0001-04 [ICM,5]; C12Q0001-00 [ICS,5]; C12Q0001-14 [ICS,5]; G01N0031-22 [ICS,5]; G01N0033-50 [ICS,5]
	IPCR	G01N0031-22 [I,C*]; G01N0031-22 [I,A]; C12Q0001-00 [I,C*]; C12Q0001-00 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; C12R0001-04 [N,A]; C12R0001-225 [N,A]; C12R0001-46 [N,A]; G01N0033-50 [I,C*]; G01N0033-50 [I,A]

AB A test paper which contains resazurin, triphenyltetrazolium chloride, neotetrazolium chloride, 2,6-dichlorophenolindophenol, or methyl orange as indicator and sucrose as substrate is described for detecting dental caries-causing microorganisms in human saliva. For example, a small piece of filter paper was impregnated with a solution containing resazurin (0.025 weight%) and sucrose (10 weight%) and dried. This test paper was covered with a transparent plastic coating, both were placed on a ground paper, and the product was placed in a transparent plastic film to protect it from contamination. For the microorganism test, a drop of human saliva (.apprx.0.05 mL) was placed on the test paper for 15 min at about human body temperature, and the color change was observed Tooth decay activity was judged to be neg., weakly pos., or pos. if the color formed was blue, purplish red, or red, resp.

ST tooth caries diagnosis microorganism detection; saliva microorganism color test caries

IT Lactobacillus
Streptococcus mutans
(detection of, in human saliva with color test strip for caries diagnosis)

IT Saliva
(microorganisms detection in, color test strip for, for caries diagnosis in humans)

IT Filter paper
(reagent-impregnated, for microorganisms detection in human saliva for dental caries diagnosis)

IT Tooth
(disease, caries, diagnosis of, microorganisms detection in human saliva in)

IT 57-50-1, biological studies 298-95-3 298-96-4 547-58-0 550-82-3

		C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
	NCL	435/034.000; 422/056.000; 422/058.000; 422/061.000; 435/004.000; 435/029.000; 435/805.000; 436/165.000
NO 8302220	IPCI	C12Q
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
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	IPCR	C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
DK 8302866	IPCI	C12Q
	IPCR	G01N0033-50 [I,C*]; G01N0033-50 [I,A]; C12M0001-16 [I,C*]; C12M0001-16 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-06 [I,C*]; C12Q0001-06 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; G01N0021-77 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-52 [I,C*]; G01N0033-52 [I,A]
JP 03272696	IPCI	C12Q0001-04 [ICM,5]; C12Q0001-00 [ICS,5]; C12Q0001-14 [ICS,5]; G01N0031-22 [ICS,5]; G01N0033-50 [ICS,5]
	IPCR	G01N0031-22 [I,C*]; G01N0031-22 [I,A]; C12Q0001-00 [I,C*]; C12Q0001-00 [I,A]; C12Q0001-04 [I,C*]; C12Q0001-04 [I,A]; C12Q0001-14 [I,C*]; C12Q0001-14 [I,A]; C12R0001-04 [N,A]; C12R0001-225 [N,A]; C12R0001-46 [N,A]; G01N0033-50 [I,C*]; G01N0033-50 [I,A]

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ST tooth caries diagnosis microorganism detection; saliva microorganism color test caries

IT Lactobacillus
Streptococcus mutans
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IT Saliva
(microorganisms detection in, color test strip for, for caries diagnosis in humans)

IT Filter paper
(reagent-impregnated, for microorganisms detection in human saliva for dental caries diagnosis)

IT Tooth
(disease, caries, diagnosis of, microorganisms detection in human saliva in)

IT 57-50-1, biological studies 298-95-3 298-96-4 547-58-0 550-82-3

956-48-9
RL: BIOL (Biological study)
(color test strip containing, for microorganisms detection in human saliva for dental caries diagnosis)

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956-48-9
RL: BIOL (Biological study)
(color test strip containing, for microorganisms detection in human saliva for dental caries diagnosis)

=>

ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:270746 CAPLUS
DN 126:248563
ED Entered STN: 28 Apr 1997
TI Method and apparatus for quantitative and semi-quantitative determination of an analyte
IN Rylatt, Dennis Brian; Moss, Dean; Jane, Andrew; Bundesen, Peter Gregory
PA Agen Biomedical Limited, Australia; Rylatt, Dennis Brian; Moss, Dean; Jane, Andrew; Bundesen, Peter Gregory
SO PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM G01N033-577
ICS G01N033-566; G01N033-545; G01N033-548; G01N033-551
CC 9-1 (Biochemical Methods)
Section cross-reference(s): 1, 15, 80
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9709620	A1	19970313	WO 1996-AU557	19960909 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI				
	AU 9667825	A	19970327	AU 1996-67825	19960909 <--
	AU 710737	B2	19990930		
	EP 864090	A1	19980916	EP 1996-928285	19960909 <--
	R: DE, FR, GB, IT				
PRAI	AU 1995-5279	A	19950907		
	WO 1996-AU557	W	19960909		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 9709620	ICM	G01N033-577
	ICS	G01N033-566; G01N033-545; G01N033-548; G01N033-551
	IPCI	G01N0033-577 [ICM,6]; G01N0033-566 [ICS,6]; G01N0033-545 [ICS,6]; G01N0033-548 [ICS,6]; G01N0033-544 [ICS,6,C*]; G01N0033-551 [ICS,6]
	IPCR	G01N0033-558 [I,C*]; G01N0033-558 [I,A]
AU 9667825	IPCI	G01N0033-577 [ICM,6]; G01N0033-566 [ICS,6]; G01N0033-545 [ICS,6]; G01N0033-548 [ICS,6]; G01N0033-544 [ICS,6,C*]; G01N0033-551 [ICS,6]
	IPCR	G01N0033-544 [I,C*]; G01N0033-545 [I,A]; G01N0033-548 [I,A]; G01N0033-551 [I,C*]; G01N0033-551 [I,A]; G01N0033-566 [I,C*]; G01N0033-566 [I,A]; G01N0033-577 [I,C*]; G01N0033-577 [I,A]
EP 864090	IPCI	G01N0033-577 [ICM,6]; G01N0033-566 [ICS,6]; G01N0033-545 [ICS,6]; G01N0033-548 [ICS,6]; G01N0033-544 [ICS,6,C*]; G01N0033-551 [ICS,6]
	IPCR	G01N0033-558 [I,C*]; G01N0033-558 [I,A]

AB A method is described for quant. or semi-quant. determination of target analyte(s), (e.g., antigens, antibodies, proteins, nucleic acids, hormones carbohydrates, drugs, etc.) in a test sample (e.g., blood, saliva , urine amniotic fluid, etc.), said method comprising the steps of: (1) non-diffusibly attaching to at least one test zone of a lateral flow liquid permeable medium an analyte receptor capable of binding to the target analyte or a predetd. amount of analyte; (2) diffusibly attaching to a support medium which may comprise the lateral flow liquid permeable medium or a sep. support element an analyte detection agent which detects the presence of target analyte in the test sample, said analyte detection

ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:270746 CAPLUS
DN 126:248563
ED Entered STN: 28 Apr 1997
TI Method and apparatus for quantitative and semi-quantitative determination of an analyte
IN Rylatt, Dennis Brian; Moss, Dean; Jane, Andrew; Bundesen, Peter Gregory
PA Agen Biomedical Limited, Australia; Rylatt, Dennis Brian; Moss, Dean; Jane, Andrew; Bundesen, Peter Gregory
SO PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM G01N033-577
ICS G01N033-566; G01N033-545; G01N033-548; G01N033-551
CC 9-1 (Biochemical Methods)
Section cross-reference(s): 1, 15, 80
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9709620	A1	19970313	WO 1996-AU557	19960909 <--
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	AU 710737	B2	19990930		
	EP 864090	A1	19980916	EP 1996-928285	19960909 <--
	R: DE, FR, GB, IT				
PRAI	AU 1995-5279	A	19950907		
	WO 1996-AU557	W	19960909		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 9709620	ICM	G01N033-577
	ICS	G01N033-566; G01N033-545; G01N033-548; G01N033-551
	IPCI	G01N0033-577 [ICM,6]; G01N0033-566 [ICS,6]; G01N0033-545 [ICS,6]; G01N0033-548 [ICS,6]; G01N0033-544 [ICS,6,C*]; G01N0033-551 [ICS,6]
	IPCR	G01N0033-558 [I,C*]; G01N0033-558 [I,A]
AU 9667825	IPCI	G01N0033-577 [ICM,6]; G01N0033-566 [ICS,6]; G01N0033-545 [ICS,6]; G01N0033-548 [ICS,6]; G01N0033-544 [ICS,6,C*]; G01N0033-551 [ICS,6]
	IPCR	G01N0033-544 [I,C*]; G01N0033-545 [I,A]; G01N0033-548 [I,A]; G01N0033-551 [I,C*]; G01N0033-551 [I,A]; G01N0033-566 [I,C*]; G01N0033-566 [I,A]; G01N0033-577 [I,C*]; G01N0033-577 [I,A]
EP 864090	IPCI	G01N0033-577 [ICM,6]; G01N0033-566 [ICS,6]; G01N0033-545 [ICS,6]; G01N0033-548 [ICS,6]; G01N0033-544 [ICS,6,C*]; G01N0033-551 [ICS,6]
	IPCR	G01N0033-558 [I,C*]; G01N0033-558 [I,A]

AB A method is described for quant. or semi-quant. determination of target analyte(s), (e.g., antigens, antibodies, proteins, nucleic acids, hormones carbohydrates, drugs, etc.) in a test sample (e.g., blood, saliva , urine amniotic fluid, etc.), said method comprising the steps of: (1) non-diffusibly attaching to at least one test zone of a lateral flow liquid permeable medium an analyte receptor capable of binding to the target analyte or a predetd. amount of analyte; (2) diffusibly attaching to a support medium which may comprise the lateral flow liquid permeable medium or a sep. support element an analyte detection agent which detects the presence of target analyte in the test sample, said analyte detection

agent having a label associated therewith; (3) diffusibly attaching to a support medium which may comprise the lateral flow liquid permeable medium or a sep. support element a calibration agent having a label associated therewith; (4) non-diffusibly attaching to at least one calibration zone of the lateral flow liquid permeable medium a calibration agent receptor capable of binding the calibration agent; (5) contacting the lateral flow liquid permeable medium with the test sample; and (6) comparing signals associated with each label at the test zone(s) and calibration zone(s) to effect determination of the target analyte in the test sample. The invention is
useful in medical, chemical, and environmental testing and veterinary fields, and examples are given of the semi-quant. determination of fibrin D-dimer, myoglobin, and digoxin by variations of the described method.

ST reagent test strip immunoassay app; lateral flow membrane app biochem analysis; drug detn reagent test strip; blood analysis reagent test strip; disease diagnosis reagent test strip

IT Proteins, specific or class
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(A; method and apparatus for quant. and semiquant. anal.)

IT Proteins, specific or class
RL: ANT (Analyte); ANST (Analytical study)
(C-reactive; method and apparatus for quant. and semiquant. anal.)

IT Fibrinogen degradation products
RL: ANT (Analyte); ANST (Analytical study)
(DD; method and apparatus for quant. and semiquant. anal.)

IT Immunoglobulins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(G; method and apparatus for quant. and semiquant. anal.)

IT Immunoassay
(apparatus; method and apparatus for quant. and semiquant. anal.)

IT Metals, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(colloidal; method and apparatus for quant. and semiquant. anal.)

IT Blood analysis
Diagnosis
Dirofilaria immitis
Electroluminescent devices
Immunoassay
Latex
Light sources
Liposomes
Pharmaceutical analysis
Polymer-supported reagents
(method and apparatus for quant. and semiquant. anal.)

IT Amino acids, analysis
Antibodies
Antigens
Blood-coagulation factors
Carbohydrates, analysis
Haptens
Hormones, animal, analysis
Lipids, analysis
Myoglobins
Nucleic acids
Pathogen
Peptides, analysis
Proteins, general, analysis
Steroids, analysis
Vitamins
RL: ANT (Analyte); ANST (Analytical study)
(method and apparatus for quant. and semiquant. anal.)

IT Agglutinins and Lectins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)

agent having a label associated therewith; (3) diffusibly attaching to a support medium which may comprise the lateral flow liquid permeable medium or a sep. support element a calibration agent having a label associated therewith; (4) non-diffusibly attaching to at least one calibration zone of the lateral flow liquid permeable medium a calibration agent receptor capable of binding the calibration agent; (5) contacting the lateral flow liquid permeable medium with the test sample; and (6) comparing signals associated with each label at the test zone(s) and calibration zone(s) to effect determination of the target analyte in the test sample. The invention is
useful in medical, chemical, and environmental testing and veterinary fields, and examples are given of the semi-quant. determination of fibrin D-dimer, myoglobin, and digoxin by variations of the described method.

ST reagent test strip immunoassay app; lateral flow membrane app biochem analysis; drug detn reagent test strip; blood analysis reagent test strip; disease diagnosis reagent test strip

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RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(A; method and apparatus for quant. and semiquant. anal.)

IT Proteins, specific or class
RL: ANT (Analyte); ANST (Analytical study)
(C-reactive; method and apparatus for quant. and semiquant. anal.)

IT Fibrinogen degradation products
RL: ANT (Analyte); ANST (Analytical study)
(DD; method and apparatus for quant. and semiquant. anal.)

IT Immunoglobulins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(G; method and apparatus for quant. and semiquant. anal.)

IT Immunoassay
(apparatus; method and apparatus for quant. and semiquant. anal.)

IT Metals, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(colloidal; method and apparatus for quant. and semiquant. anal.)

IT Blood analysis
Diagnosis
Dirofilaria immitis
Electroluminescent devices
Immunoassay
Latex
Light sources
Liposomes
Pharmaceutical analysis
Polymer-supported reagents
(method and apparatus for quant. and semiquant. anal.)

IT Amino acids, analysis
Antibodies
Antigens
Blood-coagulation factors
Carbohydrates, analysis
Haptens
Hormones, animal, analysis
Lipids, analysis
Myoglobins
Nucleic acids
Pathogen
Peptides, analysis
Proteins, general, analysis
Steroids, analysis
Vitamins
RL: ANT (Analyte); ANST (Analytical study)
(method and apparatus for quant. and semiquant. anal.)

IT Agglutinins and Lectins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)

(method and apparatus for quant. and semiquant. anal.)
IT Amniotic fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Ascitic fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Avidins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Catalysts
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Cerebrospinal fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Chemiluminescent substances
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Color formers
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Dyes
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Enzymes, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Fluorescent substances
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Polymers, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Radionuclides, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Rare earth metals, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Receptors
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Saliva
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Sweat
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Synovial fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Urine analysis
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Glass fibers, analysis
Paper
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT 7440-57-5, Colloidal gold, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(colloidal; method and apparatus for quant. and semiquant. anal.)
IT 20830-75-5, Digoxin

(method and apparatus for quant. and semiquant. anal.)
IT Amniotic fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Ascitic fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Avidins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Catalysts
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Cerebrospinal fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Chemiluminescent substances
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Color formers
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Dyes
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Enzymes, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Fluorescent substances
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Polymers, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Radionuclides, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Rare earth metals, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Receptors
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Saliva
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Sweat
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Synovial fluid
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Urine analysis
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT Glass fibers, analysis
Paper
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)
IT 7440-57-5, Colloidal gold, uses
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(colloidal; method and apparatus for quant. and semiquant. anal.)
IT 20830-75-5, Digoxin

RL: ANT (Analyte); ANST (Analytical study)
(method and apparatus for quant. and semiquant. anal.)

IT 58-85-5, Biotin 7440-53-1, Europium, uses 9013-20-1, Streptavidin
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)

IT 9002-88-4, Polyethylene 9004-70-0, Nitrocellulose
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semi

RL: ANT (Analyte); ANST (Analytical study)
(method and apparatus for quant. and semiquant. anal.)

IT 58-85-5, Biotin 7440-53-1, Europium, uses 9013-20-1, Streptavidin
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semiquant. anal.)

IT 9002-88-4, Polyethylene 9004-70-0, Nitrocellulose
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(method and apparatus for quant. and semi